

Certificate of Analysis

Client: Smallbrook Environmental

Project: 25104585

Quote: BEC250741604 V1.1

Project Ref: Pode Hole Quarry, Thorney

Site: Pode Hole Quarry, Thorney Suite Fortnightly

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No. Samples Received: 3

Date Received: 31/10/2025

Analysis Completed: 14/11/2025

Date Issued: 14/11/2025

Report Type: Version 01

This report supersedes any versions previously issued by the laboratory



Reported by Account Manager
Lucy Bailey

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Project Number: 25104585

Client: Smallbrook Environmental

Date Issued: 14/11/2025

Project Name: Pode Hole Quarry, Thorney - Pode Hole Quarry, Thorney Suite Fortnightly

Samples Analysed

<u>Text ID</u>	<u>Sample Reference</u>	<u>Sampling Date</u>	<u>Sample Type</u>	<u>Sample Description</u>
25104585-001	BH3	28/10/2025 00:00:00	WATER	Ground Water
25104585-002	BH5	28/10/2025 00:00:00	WATER	Ground Water
25104585-003	BH6	28/10/2025 00:00:00	WATER	Ground Water



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1252

Analysis Results

SOCOTEC Sample ID:	25104585-001	25104585-002	25104585-003
Sampling Date:	28/10/2025 00:00	28/10/2025 00:00	28/10/2025 00:00
Customer ID:	BH3	BH5	BH6
Accred.	U	U	U

Method Code	Analysis	MDL	Accred.	25104585-001	25104585-002	25104585-003
PHCONDW	pH	1 pH units	U	7.1	7.3	7.0
PHCONDW	Conductivity at 25°C	100 µS/cm	U	1080	1090	1300
WSLM12	Total Alkalinity	2 mg/l	U	363	237	207
TOCW	Total Organic Carbon	0.4 mg/l	U	6.93	4.04	5.06
KONENS	Total Oxidised Nitrogen	0.2 mg/l	U	<0.2	<0.2	<0.2
KONENS	Ammoniacal Nitrogen as N	0.01 mg/l	U	0.03	0.05	<0.01
KONENS	Chloride as Cl	1 mg/l	U	14	58	84
SFAPI	Total Cyanide	0.02 mg/l	U	<0.02	<0.02	<0.02
ICPMSW (Dissolved)	Arsenic as As	0.001 mg/l	U	<0.001	<0.001	<0.001
ICPMSW (Dissolved)	Cadmium as Cd	0.00002 mg/l	U	<0.00002	<0.00002	0.00002
ICPWATVAR (Dissolved)	Calcium as Ca	1 mg/l	U	247	226	269
KONENS	Chromium (VI) as Cr	0.003 mg/l	U	<0.003	<0.003	<0.003
ICPMSW (Dissolved)	Copper as Cu	0.001 mg/l	U	0.002	<0.001	<0.001
ICPWATVAR (Dissolved)	Iron as Fe	0.01 mg/l	U	<0.01	<0.01	<0.01
ICPMSW (Dissolved)	Lead as Pb	0.0002 mg/l	U	<0.0002	<0.0002	<0.0002
ICPWATVAR (Dissolved)	Magnesium as Mg	1 mg/l	U	1	6	10
ICPMSW (Dissolved)	Manganese as Mn	0.002 mg/l	U	0.019	0.134	0.028
ICPMSW (Dissolved)	Mercury as Hg	0.00003 mg/l	U	<0.00003	<0.00003	<0.00003
ICPMSW (Dissolved)	Nickel as Ni	0.001 mg/l	U	<0.001	0.003	0.002
ICPWATVAR (Dissolved)	Potassium as K	1 mg/l	U	12	4	6
ICPMSW (Dissolved)	Selenium as Se	0.001 mg/l	U	<0.001	<0.001	<0.001
ICPWATVAR (Dissolved)	Sodium as Na	1 mg/l	U	22	39	44
ICPWATVAR (Dissolved)	Total Sulphur as SO4	3 mg/l	U	240	309	422
ICPMSW (Dissolved)	Zinc as Zn	0.002 mg/l	U	<0.002	0.002	<0.002



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Result Report Notes

Letters alongside results signify that the result has associated report notes.

The report notes are as follows:

Letter **Note**

- A Due to the matrix of the sample the laboratory has had to deviate from our standard protocols to be able to process the sample and provide a result. Where applicable the accreditation has been removed and this should be taken into consideration when utilising the data.
- B The QC associated with this result has not wholly met the QMS requirements, the accreditation has therefore been removed. However, the Laboratory has confidence in the performance of the method as a whole and that the integrity of the data has not been significantly compromised.
- C Due to matrix interference, the internal standard and/or surrogate has not met the QMS requirements. This should be taken into consideration when utilising the data.
- D A non-standard volume or mass has been used for this test which has resulted in a raised detection limit.
- E Due to the parameter value being beyond our calibration range (and following the maximum size of dilution allowed, where applicable), the result cannot be quantified and as such the result will appear as a greater than symbol (>) with the accreditation removed. This data should be used for indicative purposes only.
- F Based on the sample history, appearance and smell a dilution was applied prior to testing. Unfortunately, the result is either above (>) or below (<) our calibration range. Results above our calibration range have accreditation removed. The data should be used for indicative purposes only.
- G The day 5 oxygen reading was below the capability of the instrument to detect, and therefore the calculated BOD has been reported unaccredited for guidance purposes only.

HWOL Acronym Key

<u>Acronym</u>	<u>Description</u>
HS	Headspace Analysis
EH	Extractable Hydrocarbons - i.e everything extracted by the solvent(s)
CU	Clean up - e.g. by florisil, silica gel
1D	GC - Single coil gas chromatography
Total	Aliphatics & Aromatics
AL	Aliphatics only
AR	Aromatics only
+	Operator to indicate cumulative e.g. EH_CU+HS_1D_Total



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Additional Information

This report refers to samples as received. SOCOTEC UK Ltd takes no responsibility for accuracy or competence of sampling by others.

Results within this report relate only to the samples tested.

The accreditation codes are as follows:

- U = UKAS accredited analysis
- M = MCERT accredited analysis
- N = Unaccredited analysis

Any accreditation marked with ^ signify results are reported on a dry weight basis of 105° c.

All Air Dried and Ground Samples (ADG) are oven dried at less than 35° c.

This report shall not be reproduced except in full, without written approval of the laboratory.

Opinions and interpretations given are outside the scope of our UKAS accreditation.

Any results marked with * are not covered by our scope of UKAS accreditation. If applicable, further report notes have been added.

Any solid samples where the Major Constituents are not one of the following (Sand, Silt, Clay, Made Ground) are not one of our accredited matrix types.

Any samples marked with a tick in the deviant table is deviant for the specific reason.

Any samples reported as IS, NA, ND mean the following:

- IS = Insufficient Sample to complete analysis
- NA = Sample is not amenable for the required analysis
- ND = Results cannot be determined

Items listed with a 'SUB' method code prefix have been carried out by another SOCOTEC department or by an external subcontracted laboratory. Further information is available upon request.

Our deviating sample report does not include deviancy information for Subcontracted analysis. Please see the report from the subcontracted lab for information regarding any deviancies for this analysis.

Summaries of analysis methods are available upon request.

End of Certificate of Analysis